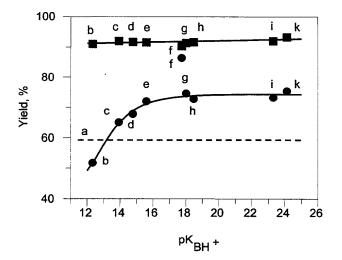


## FIGURE 2



## FIGURE 3

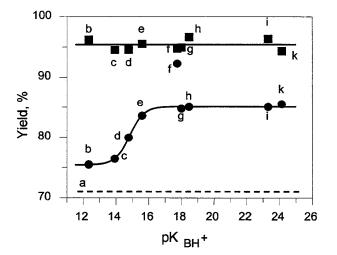


Figure 4. <sup>31</sup>P NMR Spectrum of **3a** in gel phase (CD<sub>3</sub>CN as a liquid phase).

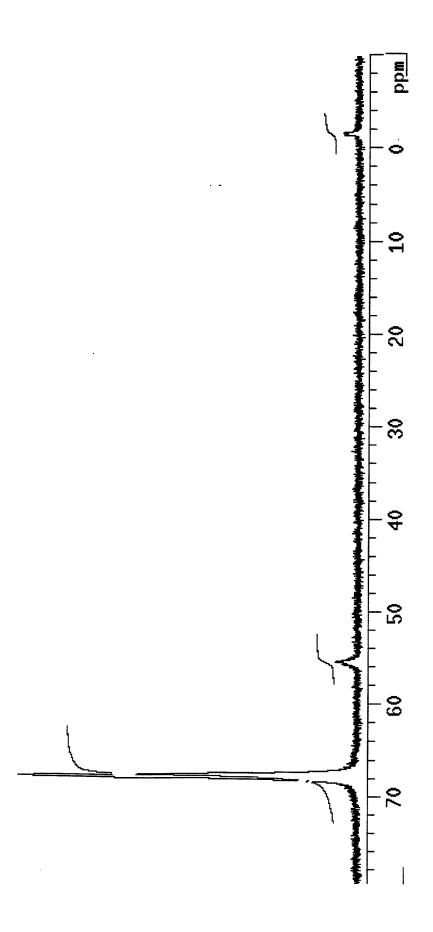


Figure 5. <sup>31</sup>P NMR Spectrum of **4a** in Gel Phase (1M Piperidine in CD<sub>3</sub>CN as a liquid phase).

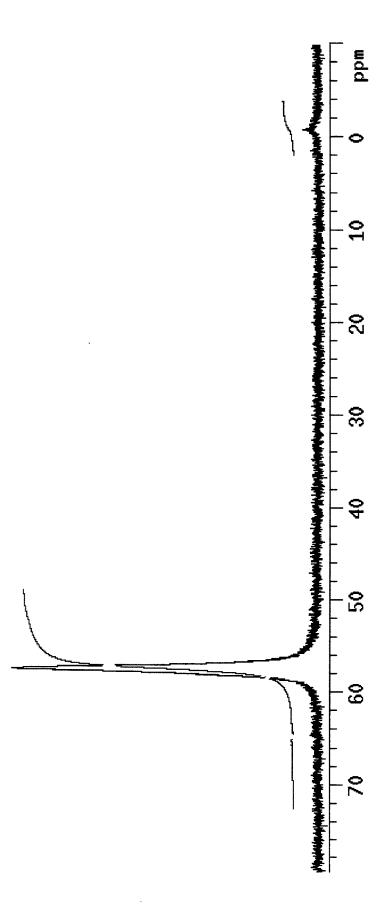


Figure 6. <sup>31</sup>P NMR Spectrum of **6a** in Gel Phase (5% Pyridine in CD<sub>3</sub>CN as a liquid phase).

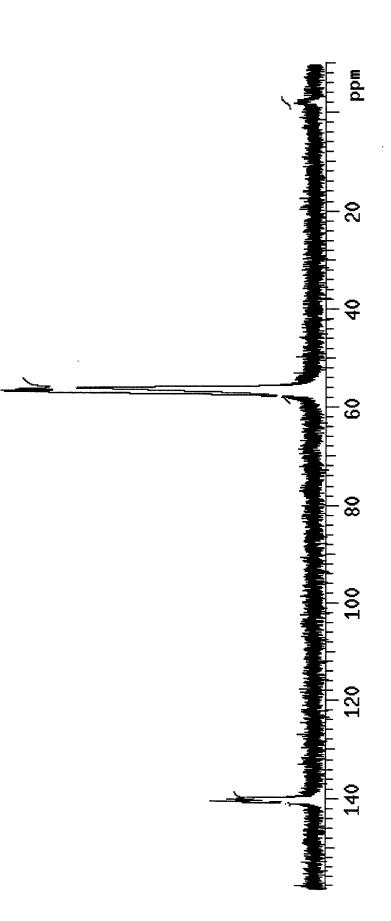


Figure 7. <sup>31</sup>P NMR Spectrum of **7a** in Gel Phase (5% Pyridine in CD<sub>3</sub>CN as a liquid phase).

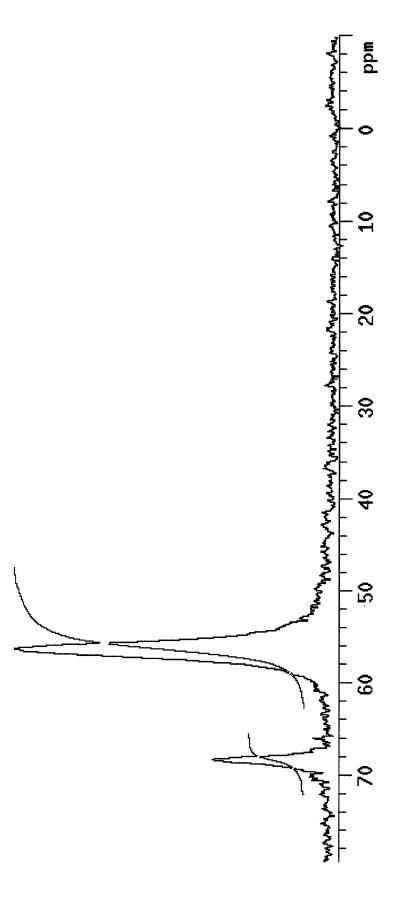


Figure 8. <sup>31</sup>P NMR Spectrum of 8a in Gel Phase (5% Pyridine in CD<sub>3</sub>CN as a liquid phase).

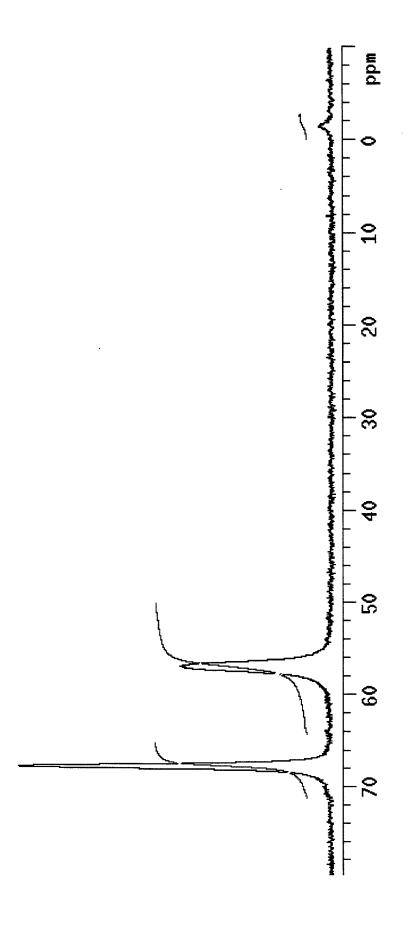


Figure 9. Reverse Phase HPLC Profile for Oligonucleotide 9a Obtained Using the Standard Cycle (Crude Deprotection Mixture).

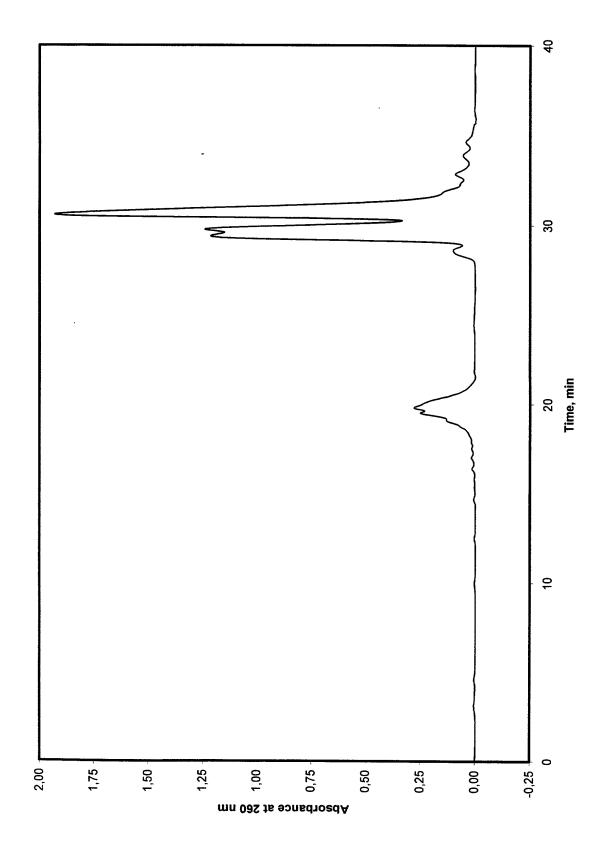


Figure 10. <sup>31</sup>P NMR Spectrum of **4b** in Gel Phase (1M Piperidine in CD<sub>3</sub>CN as a liquid phase).

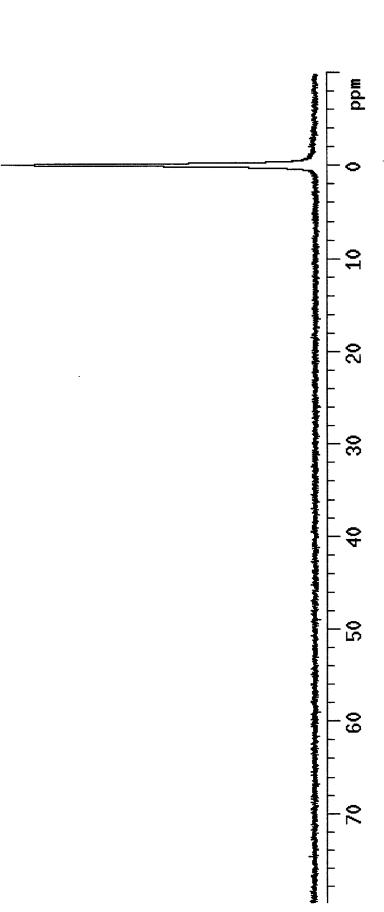
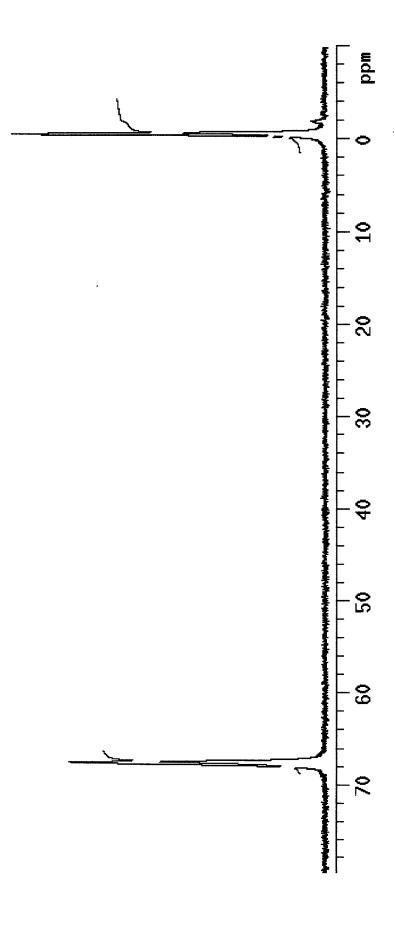
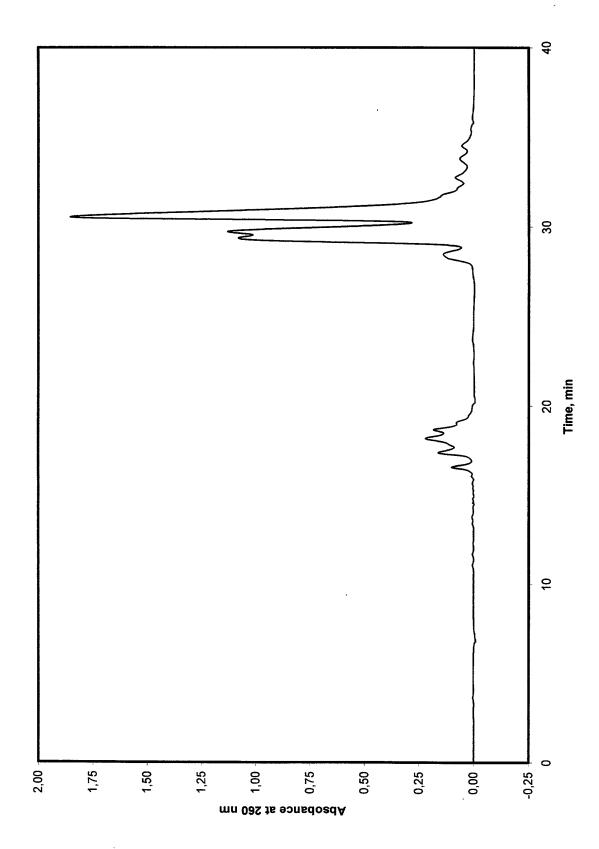


Figure 11. <sup>31</sup>P NMR Spectrum of **8b** in Gel Phase (5% Pyridine in CD<sub>3</sub>CN as a liquid phase).



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Figure 12. Reverse Phase HPLC Profile for Oligonucleotide 9b Obtained Using the Standard Cycle (Crude Deprotection Mixture).



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Figure 13. Reverse Phase HPLC Profile for Oligonucleotide 16a Obtained Using the Standard Cycle (Crude Deprotection Mixture).

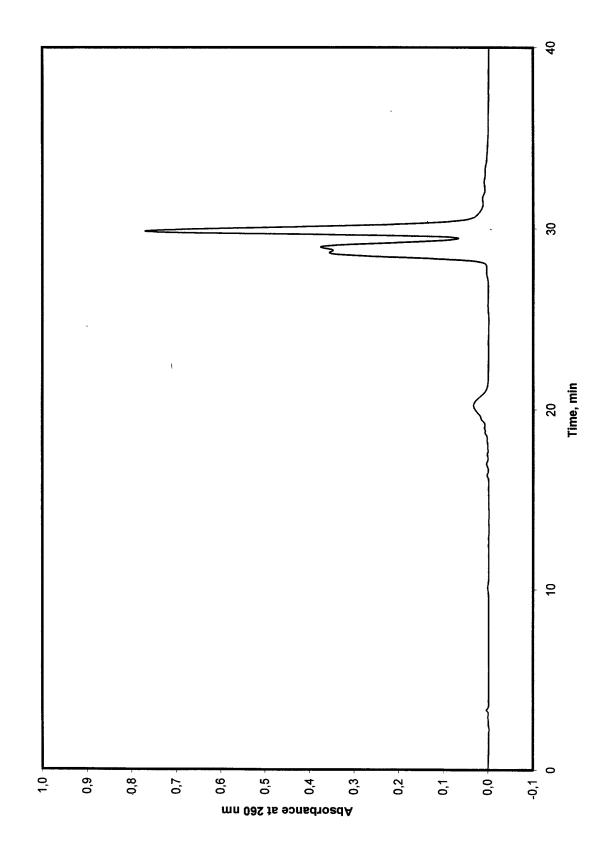


Figure 14. Reverse Phase HPLC Profile for Oligonucleotide 18a Obtained Using the Standard Cycle (Crude Deprotection Mixture).

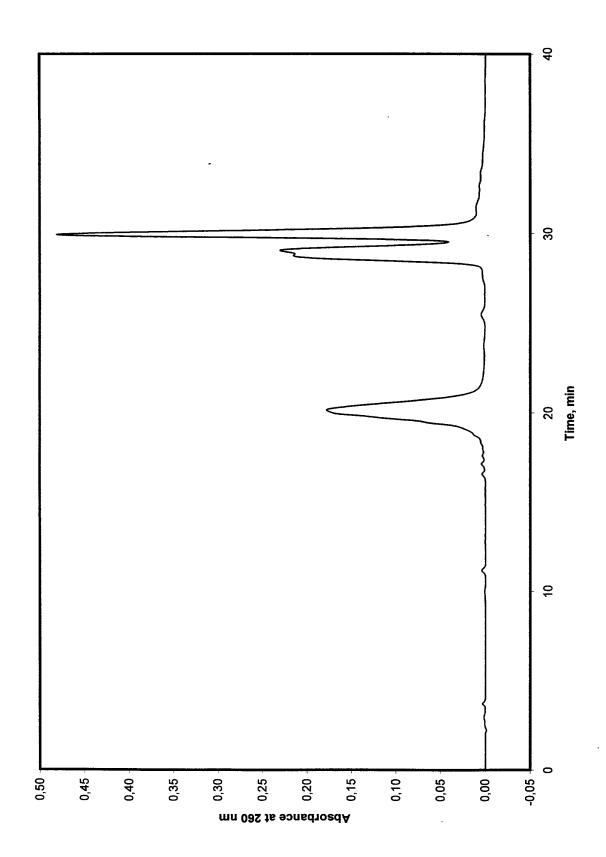


Figure 15. Reverse Phase HPLC Profile for Oligonucleotide 16b Obtained Using the Standard Cycle (Crude Deprotection Mixture).

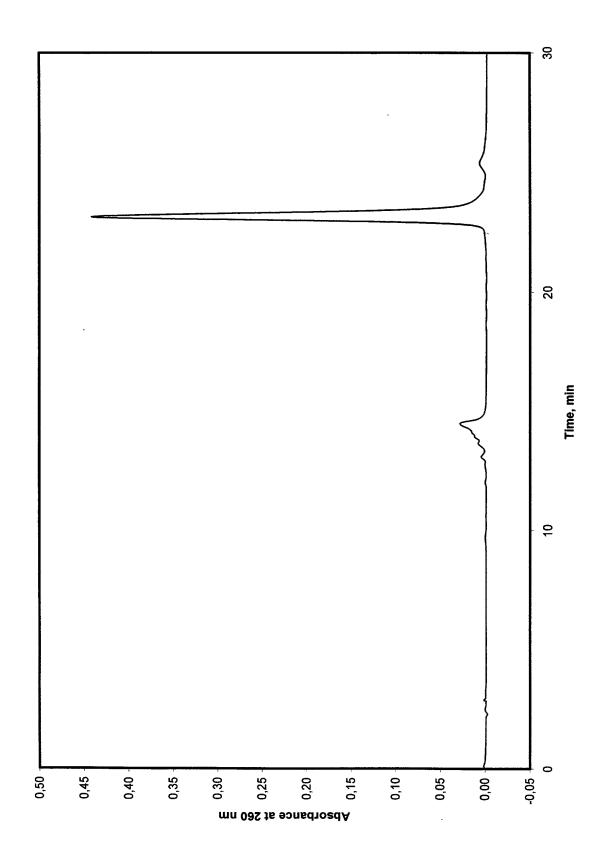


Figure 16. Reverse Phase HPLC Profile for Oligonucleotide 18b Obtained Using the Standard Cycle (Crude Deprotection Mixture).

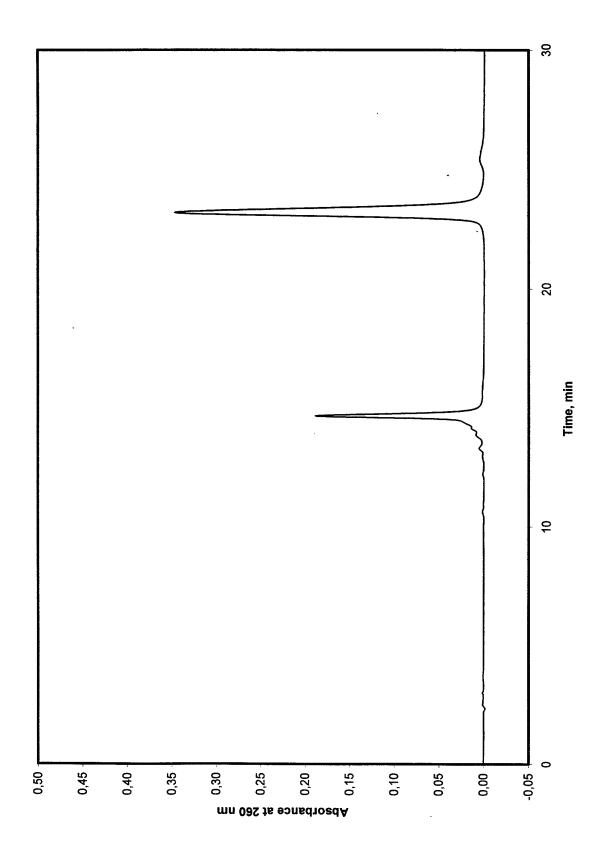
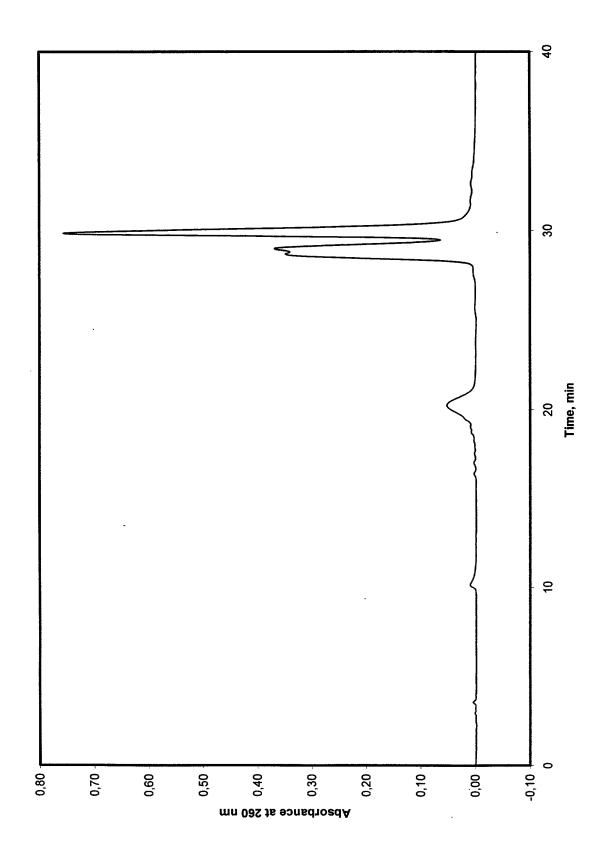


Figure 17. Reverse Phase HPLC Profile for Oligonucleotide 16a Obtained Using the Optimized Cycle (Crude Deprotection Mixture).



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Figure 18. Reverse Phase HPLC Profile for Oligonucleotide 18a Obtained Using the Optimized Cycle (Crude Deprotection Mixture).

40 ဓ္တ Time, min 20 10 -0,1 0,8 0,7 9,0 0,1 0,5 0,3 0,4 0,2 0,0 Absorbance at 260 nm

Figure 19. Reverse Phase HPLC Profile for Oligonucleotide 16b Obtained Using the Optimized Cycle (Crude Deprotection Mixture).

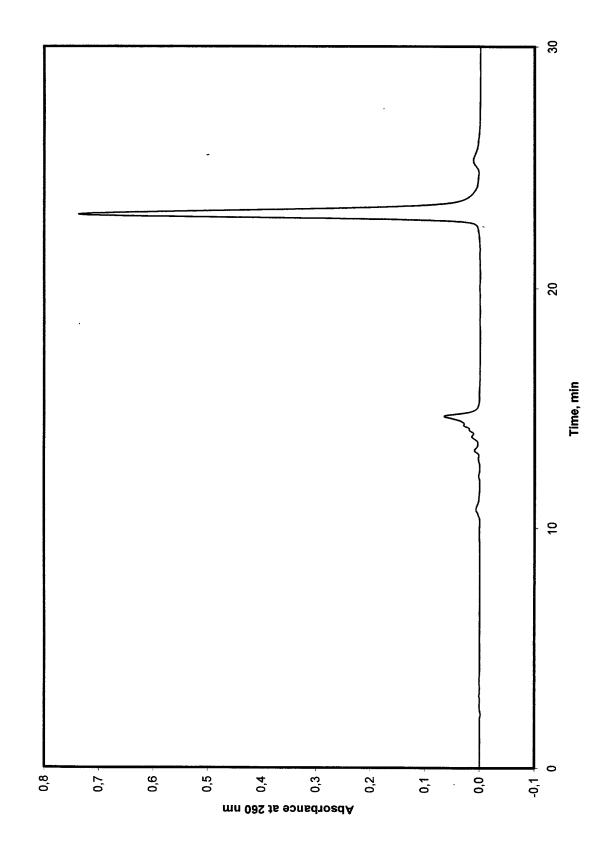


Figure 20. Reverse Phase HPLC Profile for Oligonucleotide 18b Obtained Using the Optimized Cycle (Crude Deprotection Mixture).

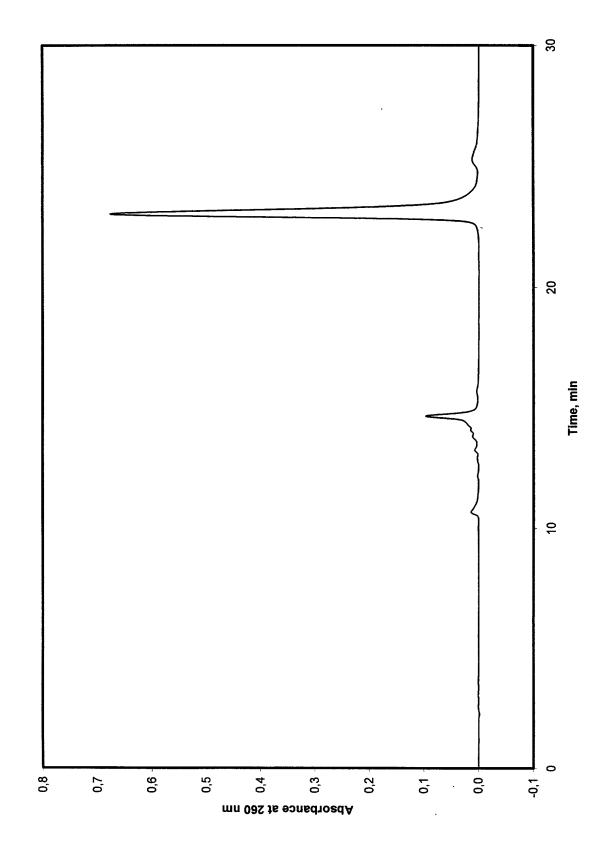
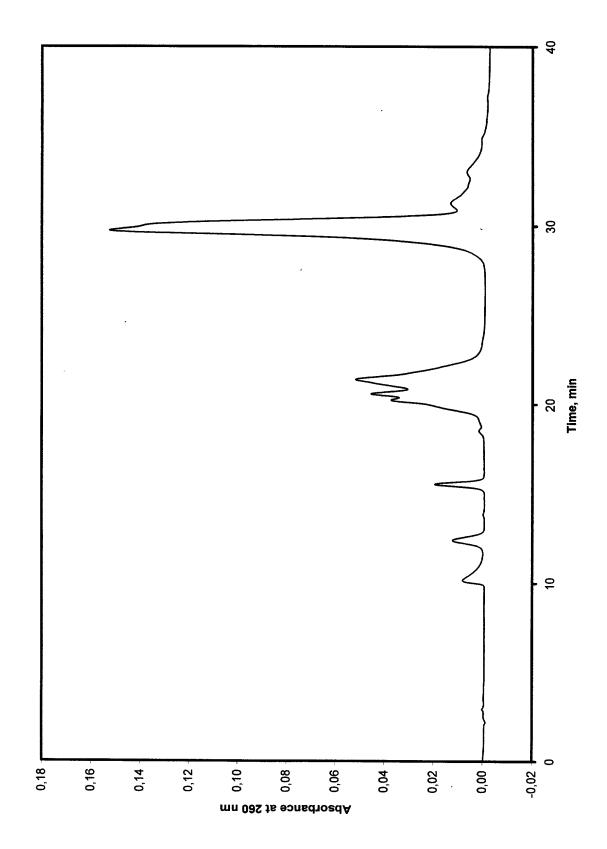


Figure 21. Reverse Phase HPLC Profile for Oligonucleotide 32a Obtained Using the Optimized Cycle (Crude Deprotection Mixture).



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Figure 22. Reverse Phase HPLC Profile for Oligonucleotide 32b Obtained Using the Optimized Cycle (Crude Deprotection Mixture).

